



Technical Data Sheet (TDS) — Aromatic Rubber Process Oil (Aromatic RPO)

Product Name: Aromatic Rubber Process Oil (Aromatic RPO)

Supplier: Basekim Chemical Production Co., UAE / Turkey

Product Description

Basekim Aromatic RPO is a dark, viscous petroleum oil rich in aromatic hydrocarbons, designed as a plasticizer and process oil in rubber compounding and tire production. It enhances processability, filler dispersion, and extrusion properties.

Applications

- Tire and tube manufacturing
- Conveyor belts and molded rubber goods
- Footwear soles and industrial rubber products
- Carbon black dispersion and plasticizer in rubber compounds

Key Benefits

- Excellent compatibility with natural and synthetic rubbers (SBR, BR, NBR, CR).
- Improves tackiness and filler dispersion.
- Enhances extrusion and calendaring operations.
- Economical processing aid for high-viscosity rubber compounds.

Typical Properties

Property	Typical Value	Test Method
Appearance	Dark brown viscous liquid	Visual
Density @ 15°C (g/cm ³)	0.950 – 1.030	ASTM D1298
Kinematic Viscosity @ 40°C (cSt)	70 – 120	ASTM D445
Flash Point (°C, COC)	≥180	ASTM D92
Pour Point (°C)	-5 to +10	ASTM D97



Property	Typical Value	Test Method
Aniline Point (°C)	<60	ASTM D611
Sulfur Content (%)	<1.0	ASTM D4294
Aromatic Content (%)	60 – 75	ASTM D2007
Color	Dark brown to black	Visual
Solubility in Water	Insoluble	ASTM D95

Packaging

- 200-liter steel drums
- ISO tankers
- Flexi-tanks and bulk supply options

Storage & Handling

- Store in closed, dry, ventilated areas.
- Avoid prolonged exposure to sunlight and high temperatures.
- Use appropriate PPE when handling.
- Prevent product spills to minimize environmental impact.

Quality Assurance

- Produced under Basekim quality standards.
- Each batch supplied with Certificate of Analysis (COA).
- Meets ASTM and industrial performance specifications.